



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090486-B

Mode: Highway

Status: Submitted

(Asheville Signal System)

From/Cross Street:

Specific Improvement Type: 13 - Citywide Signal System

To:

Project Category: Regional Impact

Length: 46.18

TIP#: U-4715B

Fully Funded in Draft STIP? No

Cost to NCDOT: \$12,100,000

Description:

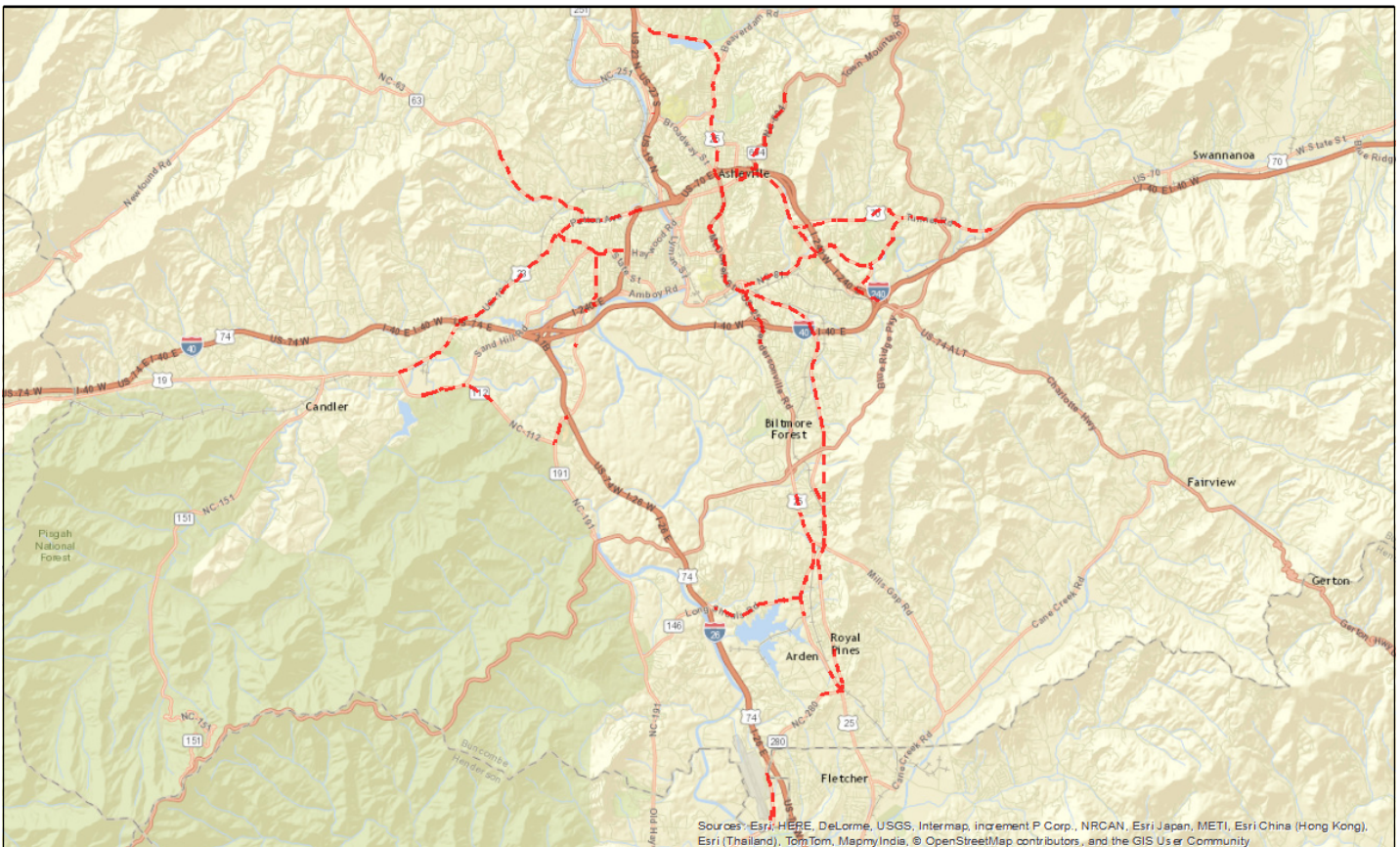
Asheville Signal System - Citywide Signal Improvements.

Division(s): Division 13

County(s): BUNCOMBE

MPOS(s)/RPO(s): French Broad River MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 29.02

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 54.65	Percent: 15% Points: 0	Percent: 15% Points: 0
Safety (10%) 70.19		
[Travel Time] Benefit/Cost (25%) 30.89		
Accessibility / Connectivity (10%) 6.18		
Totals: Weight: 70% Weighted Score: 29.02		

Division Needs Total Score: 49.13

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 54.65	Percent: 25% Points: 100	Percent: 25% Points: 0
Safety (10%) 70.19		
[Travel Time] Benefit/Cost (20%) 30.89		
Totals: Weight: 50% Weighted Score: 24.13		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	40
Length (miles):	46.18
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	18529.73
Capacity:	23534.18
Volume/Capacity Ratio:	0.79
% Autos:	96%
% Trucks:	4%
Truck Volume:	805.87
Crash Density:	72.47
Crash Severity:	68.19
Critical Crash Rate:	69.93
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	18
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	74
Actual Congested Speed:	14.27
Travel Time Index:	1.33

Project Benefits

Project Cross-Section:	
Speed Limit:	40
Length (miles):	46.18
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	16685208.98
Travel Time Savings for 30 Years (Autos):	15959559.93
Travel Time Savings for 30 Years (Trucks):	725649.05
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 13

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 13	100%	0	100
	0%	0	0
	0%	0	0
TOTAL Division Points		0	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
French Broad River MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$12,100,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$12,100,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$12,100,000	